(1) Number of pages ____________

(2) Date of repair ____________

(3) Initials of the Referencer ____________

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1839 Press/Mis.

50-51

Dated 5th August 1872

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
5th August 1872.

No. 50. Read the following letter from the Consulting Architect to Government, to the Secretary to Government, Public Works Department, dated Madras, 22nd June 1872, No. 81 :—

I HAVE the honour to lay before you the following report and enclosures marginally noted, with reference to paragraph 3 of G. O., No. 69, dated 11th January last, on the subject of the old Palace at Madura.

Plan No. 1
" " 2
" " 3
" " 4
Estimate " 77
" " 78
" " 79
" " 80

2. The Government grant towards this work for the current year amounts to Rupees 10,000; but as certain sums of money will come from other sources and raise the available amount to Rupees 21,600, I have thought it advisable to lump all together and to submit one estimate for expending the whole sum of money at our disposal.

. The sources from which the above-mentioned amount is to be derived are as follow :—

	RS.
1st.—By subscription among the wealthy Chettys for the specific object of making a "Napier" entrance	4,000
2nd.—By the sale of the present Post Office, an old and inconvenient building	2,500
3rd.—By sale of the building used as a Range Office	5,100
Total sum...	11,600

The estimates which I now submit provide for accommodating the Post Office and Range Office, for completing the unfinished works of the previous year, for completing the entrance gateway, and for tieing with galvanized iron bars the room known as Teroomala Naick's bed-room.

The cost of these works will be as follows :—

		RS.	A.	P.	
1.	Fitting with doors and windows and otherwise completing the restored part marked A on plan	5,984	4	6	Sanctioned G. O., 1487.
2.	Restoring the lower portion of the waggon vault, D on plan	1,265	11	6	Do. do.
3.	Entrance gateway, B on plan	4,308	2	4	
4.	Converting a portion of the palace into a Post Office, C on plan	2,067	11	7	
5.	Converting a portion of the palace into a Deputy Collector's Cutcherry, E	1,743	12	0	
6.	Converting a part into a Range Office, F	1,000	0	0	
7.	Cost of iron tie bars for Teroomala Naick's bed-room, G.	5,230	6	1	
	Total ..	21,600	0	0	

I would take this opportunity of mentioning that the sale of the Collector's Cutcherry, as ordered in paragraph 4 of the above quoted G. O., has not yet been effected, and that I think it would be very desirable to obtain the money to be derived in this way as soon as possible. The most critical part of the building has been secured, but there are many portions still in a most unsafe condition which cannot be touched at present for want of funds.

Proceedings of the Madras Government, Public Works Department, 5th August 1872.

No. 51. ORDER THEREON, 5th August 1872, No. 1,839.

CIVIL WORKS, No. 1.

OF the estimates now submitted by the Consulting Architect, which should have been forwarded through the Superintending Engineer of the 8th Division, the Government sanction that of Rs. 5,230 for providing iron bars of Tiroomala Naick's bed-room, G on plan now received, coinciding with H H H of the lithographed plan referred to in Lord Napier's Minute, and destined by him for a Civil and Sessions Court Room. This should have been the first submitted and taken in hand from the annual allotment of Rupees 10,000, according to His Lordship's express instructions and Mr. Chisholm's own opinion, which the Superintending Engineer disregarded in submitting the estimates sanctioned in G. O. No. 1,487 of 15th June 1872.

2. The amount of the latter sanction, namely, Rupees 7,250, is reduced by Rupees 1,750, the pay of the Overseer and Petty Establishment, which the Superintending Engineer has included contrary to standing orders of the Department and other positive Government orders regarding the individual concerned, whom Lieutenant-Colonel Roberts will now bring on the permanent establishment of the 8th Division from 1st May 1872. The three estimates above disposed of, amounting to Rupees 10,730, will alone be debited against the Budget allotment of the current year, and as they exceed it by Rupees 730, care will be taken by the Superintending Engineer to watch the expenditure.

3. The estimates of Rupees 2,068 and Rupees 1,744 for providing Post Office and Deputy Collector's Office accommodation cannot be dealt with until the Government are made fully acquainted with the reasons for departing from the allotment of available space mapped out in Lord Napier's Minute, and are assured of the concurrence of the heads of all departments concerned in the allocation now proposed. This information should be procured and furnished by the Superintending Engineer with as little delay as possible. As to the sum of Rupees 1,000 entered for a Range Office no plan or estimate has been sent in to account for it.

4. The Government deem it very advisable that however gradually the works may have to be carried on as funds become available, they should at once be definitely planned and estimated for, distinction being made between the absolutely necessary repairs and decorations chargeable to the annual allotment, and the cost of accommodating public offices to be defrayed by sale of existing buildings and other special assignments. And they direct the Superintending Engineer and Consulting Architect to take immediate steps to supply such complete plans and estimates in time for sanction, within the current official year.

5. The plan and estimate for the Napier gate are approved for execution from the funds subscribed by the inhabitants of Madura; but as these appear to be Rupees 308 short of the amount of the latter, the Superintending Engineer will either carry out the work within the sum of Rupees 4,000 subscribed, by reductions on contingencies which are set down at 10 per cent., or by collection of such additional amount as may be required from those who have shown themselves so laudably desirous of commemorating what Lord Napier has done for the

embellishment of their town, and for the encouragement of native art. The subscriptions have been paid into Treasury, it is presumed, and credited in the Public Works Accounts as private contributions.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, 8th Division.
,, Consulting Architect.
,, Controller of Public Works Accounts.
,, Public Department.
,, Revenue Department.

Exd. E. C. Shunker.

No. 81

Madras 22d June 1872.

From

R. F. Chisholm Esqr. F. R. I. B. A.

Consulting Architect to Government

To

Col. G. W. Walker R.E.

Secretary to Government P. W. D.

Sir

I have the honor to lay before you the following Report and enclosures marginally noted + with reference to para 3 of G. O. No. 69 dated 11 January last on the subject of the old Palace at Madura.

	+
Plan	No 1
"	No 2
"	No 3
"	No 4
Estimate	No 77
"	No 78
"	No 79
"	No 80

The Government grant towards this work for the Current year amounts to rupees 10.000/- but as certain sums of money will come from other sources and raise the available amount to Rupees 21600—0—0 I have thought it advisable to lump all together and to submit one Estimate for expending the whole sum of money at our disposal.

The sources from which the above mentioned amount is to be derived are as follows.

First. By subscription among the wealthy Chettys for the specific object of making a "Napier" entrance 4000.

2 By the sale of the Present Post Office an old and inconvenient building Rs. 2500

	6500 " "
3 By Sale of the Building used as a Range Office	5100 " "
Total Sum	11.600 " "

The Estimates which I now submit provide for accommodating the Post Office and Range Office, for completing the unfinished works of the previous year, for completing the Entrance Gateway and for tieing with Galvanized iron bars the room known as Teroomala Naicks Bed room.

The cost of these works will be as follows.

	Rs.			
1 Fitting with doors and windows and otherwise completing the restored part marked A on plan.	4500 ~~5984~~	4	6	Sanctioned in 1487.
2 Restoring the Lower portion of the waggan Vault D on plan	1200 ~~1265~~	11	6	Ditto . . ditto.
3 Entrance Gateway. B on plan	4308	2	4	
4 Converting a portion of the Palace into a Post Office. C on plan	2067	11	7	
5 Coverting a portion of the Palace into a Deputy Collector's Cutcherry E	1743	12	"	
6 Converting a part into a Range Office F	1000	"	"	
7 Cost of Iron tie bars for Teroomala Naicks Bed room G	5230	6	1	
Total	21.600	"	"	

I would take this Opportunity of mentioning

12

that the sale of the Collector's Cutcherry as ordered in para 4 of the above quoted G.O. has not yet been effected, and that I think it would be very desirable to obtain the money to be derived in this way as soon as possible. The most critical part of the building has been secured but there are many portions still in a most unsafe condition which cannot be touched at present for want of Funds.

I have the honor to be
Sir
your most Obedient servant

R. Chisholm.

Consulting Architect to Govt.

Recd 11 January /72 No 133
185

P. W. 1872 Depart.
No 3109.
~~Provl Govt for Angeles~~
Lith. Do 81

22. June 1872
Recd ~~24th~~

From the Consulting Archt. to Govt. Forwards plans & Estimates in connection with the Restoration of Tumul Quirks Palace at Madura

Encl: 10.

Retained ...

4-Colls Recd ...

No 1839. 5th Augt/72

E. No 50

Octy.

Resptd to Octy 25 June /72 R. 795

9K

Office was furnished to
Consulting Architect by
Supt. Engineer 8th Division

—

Consulting Architect has
forwarded Chief Engineers
items to Supt. Engr that
the required details may
be furnished

C. W. Chisholm.

29 June 1872

No. 90

From

The Consulting Architect

to the Government of Madras.

To

The Secretary to Govt

P. W. D.

Date 29 June 1892

Received

Your ~~letter No.~~ Memorandum - dated

27 June 1892.

The undersigned has the honor to state that the sum of Rupees 1000 for Converting portion of Twonal Raiks Palace into a Range

Printed at the Lawrence Asylum Press, by WILLIAM THOMAS-1872

for Specification &c. Estimate sanctioned in G. O. No 1487

13 K

Detail Estimate for Restoring Terumala Naik Palace in the town of Madura 8th Division D. P. W. during Official Year 1872/73.

Items	No.				
Restoring the remaining Portion of the waggon Vault Plaster in Chunnam.					
Arcades	6/-	115.0	3.6		402.6
Large Columns	6/-	33.0	16.6		3,267.0
Sides of Columns	16/-	6.9	3.6		378.0
Do	16/-	6.11	3.6		387.4
Interior sides Horizantal		70.0	11.4		793.4
Do Longitudinal	2/-	52.0	11.4		1178.8
		Total S. ft.			6,406.10
Cornice work in Chunnam					
Exterior Longitudinal Cornice		102.0	2.6		255.0
" Horizantal "		30.0	2.6		75.0
Interior Longitudinal "		102.0	4.9		484.6
" Horizantal "		48.0	4.9		228.0
		Total Supl. ft.			1042.6
Plaster Pointing in Chunnam					
Central arcades		35.0	1.3		43.9
Side "	10/-	25.0	1.3		312.6
		Total Supl. ft.			356.3

Dragons Heads	10/
Ornamental Flower	35/
Volutes	3/
Birds	4/
Griffins Heads in Center Arch	1/
Large Griffins	5/
Do	4/
Pillasters with Capitals bellow Griffins	5/

Ashlar Mouldings

Granite Moulded Bass with Pedistals for 4 Small Colonms	22..0	2..0	2..0	88..0
Do Do Do for Large Colonms	11..0	2..0	2..0	44..0
			Total Cft	132..0

Octagon Dome

Plaster 3 Coats in Chunam

Upper Exterior window openings	18/	13..4	2..6	600..0
Do Do Do	10/	14..10	2..3	333..9
Exterior walls	2/	53..0	7..0	742..0
Do	2/	37..6	7..0	525..0
Seeling East		37..6	1..6	56..3
" West		37..6	1..3	46..10
" North		53..0	1..9	92..9
" South		53..0	4..4	229..8
Flooring "		53..0	4..4	229..8
" North		53..0	2..4	123..8
" West		37..6	1..10	68..9
" East		37..6	2..4	87..6

15 H

Interior Wall		141.0	6.6	916.6
Exterior walls north & South	2/-	56.6	10.6	1186.6
do East & West	2/-	40.6	10.0	810.0
Corners	4/-	11.6	6.7	302.10
Arcades	10/-	10.3	10.3	1050.7
"	6/-	15.0	10.3	922.6
Walls within the Receses	3/-	27.3	13.6	1103.2
do	6/-	27.3	6.3	1021.10
Pillars or Square Colomns	6/-	9.9	17.0	994.6
do Corners	2/-	13.0	17.0	442.0
do	2/-	17.0	7.6	255.0
Cross walls	2/-	51.3	27.0	2767.6
Back wall		45.6	34.0	1547.0
"		13.0	34.0	442.0
"		23.0	34.0	782.0
Top of the Dome South & North	2/-	25.0	22.9	1137.6
"	2/-	8.6	22.9	386.9
"	4/-	8.3	22.9	750.9
"		20.0	2.0	40.0
Pinicals	5/-	6.4	4.0	126.8
Surface of the side Turrace		31.0	7.9	240.3
do at Corners	4/-	14.0	14.0	784.0
do North & South	2/-	13.0	4.0	104.0
do East & West		31.0	4.0	124.0
			Total Sup. ft	21373.8

Deduction for Opening

Window Openings		67.0	5.0	335.0	
do		75.0	5.8	425.0	
Door Openings	3/-	17.0	7.0	357.0	1117.0
				Total S feet	20256.8

4

Brickwork in Chunnum

for filling the Hallow Space		8..0	4..0	3..0	96..0
" Support of the Dome		17..0	4..0	3..0	204..0
			Total Cft		300..0
				Total Cyds	11

Cornice work in Chunnum

Bellow the Top Roof	2/-	107..0	3..3		695..6
Over the window inside	4/-	53..0	1..0		212..0
Do	4/-	37..6	1..0		150..0
Bellow Do		118..0	3..6		413..0
Pillars Heads	6/-	14..0	4..0		336..0
Do	2/-	18..0	4..0		144..0
Do	2/-	11..0	4..0		88..0
			Total Sqr ft		2038..6

Plaster Mouldings

Over the Arcades & Windows &c		600..0	1..0		600..0

Pavement with 10" floor-Tiles

The open space of the Room		46..6	32..0		1488..0
Recesses		81..0	3..6		283..6
Door " "	3/-	7..0	2..0		42..0
			Total Supl ft		1813..6

Brick on edge below Pavement		46..6	32..0	4..6	558..0
"		81..0	3..6	4..6	106 5/16
"	3/-	7..0	2..0	4..6	15 3/4
			Total Cfeet		680 1/16
				Total Cyds	25 6/27

Teak Wrought & Framed

3 Large door frames Cross pieces	6/.	8.0	0.5	0.4	6.8
Do. Upright "	6/.	26.0	0.5	0.4	21.8
3 Small door frames Cross "	6/.	5.3	0.5	0.4	4.4½
Do. Upright "	6/.	16.0	0.5	0.4	13.6
28 Window frames "	56/.	0.6	0.3	0.3	21.0
" Do. Cross Pieces	29/.	3.4	0.3	0.3	4.2
" Do. "	36/.	2.3	0.3	0.3	5.1
3 " in the west wall Upright		5.0	0.4	0.3	2.6
" Do. Cross Pieces	6/.	4.0	0.4	0.3	2.0
				Total C. feet	80.9½

Pannel Venetian or Glass Doors

Large Doors	3/.	18.0	7.0	378
Small "	3/.	12.0	4.0	144
Windows	18/.	5.0	1.10	165
"	10/.	5.0	2.6	125
" Doors	3/.	4.0	3.0	36
			Total Supl. ft.	848

Dismantling Walls		12.0	11.0	5.0	660
Do.		21.0	3.0	3.0	189
Do.	3/.	12.0	2.0	5.0	360
				Total C. feet	1209
				Total C. Yds.	44¾

The room on the North of the Octagon Dome

Plaster in Chunnam.

South Wall	48.6	28.6	1382.3
North "	57.0	26.6	1510.6
East "	17.0	26.6	450.6
West "	17.0	26.6	450.6

Within the Recesses		20 " 0	0 " 6		10 " 0
D°		14 " 0	0 " 6		7 " 0
D°		10 " 6	2 " 6		26 " 3
D°		20 " 0	2 " 9		55 " 0
D°		14 " 0	2 " 9		38 " 6
D°		10 " 0	2 " 6		25 " 0
Sealing arched		16 " 0	6 " 0		96 " 0
D°		9 " 6	16 " 0		152 " 0
D°		12 " 6	16 " 0		200 " 0
Under the Arches	2/.	26 " 0	1 " 6		78 " 0
Roof		44 " 3	21 " 0		929 " 3
			Total Supl. ft.		5410 " 9

Deduction for Openings

Door openings	4/.	12 " 0	5 " 0	240 " 0	
D°	2/.	12 " 0	5 " 0	120 " 0	
Window D°	2/.	15 " 0	5 " 0	150 " 0	510 " 0
			Teak wrought and framed		4900 " 9

1. Door frame Upright	2/.	16 " 0	0 " 5"	0 " 4"	4 " 5/3
D° Cross Pieces	2/.	5 " 0	0 " 5"	0 " 4	1 " 4/3
1 Large window upright	2/.	21 " 0	0 " 5"	0 " 4	5 " 10
D° Cross Pieces	2/.	10 " 0	0 " 5	0 " 4"	2 " 9/3
			Total C. feet		14 " 5

Doors + Windows

1. Door		12 " 0	4 " 0	48 " 0
2. Window doors	2/.	4 " 0	3 " 0	24 " 0
Large "		15 " 0	8 " 0	120 " 0
			Total Supl. ft	192

Pavement with 10" Sqr. Tiles

Open Space in the Room	40 " 0	18 " 9	750 " 0

Recesses		8.9	2.9		23.10	
"		11.0	2.9		30.3	
"		7.6	2.9		20.7½	
"		3.7	2.9		10.0	
		Total Supl ft.			834.9½	
Dismantling walls for opening						
1. Door way		13.0	5.0	2.0	130.0	
1 Large window way		9.0	16.0	2.0	288.0	
		Total C. feet			418.0	
			Total C. yds.			15½
Cornice work in Chunam						
Sides of the roof arches	6/.	19.0	2.0		228	
"	4/.	11.0	2.0		88	
"	2/.	13.0	2.0		52	
"	2/.	12.0	2.0		48	
"	2/.	8.0	2.0		32	
"	2/.	4.0	2.0		16	
"	2/.	5.6	2.0		22	
		Total Sup. ft.			486	
Plaster moulding in Chunam wherever so necessary		100.0	1.0		100	
Brick on edge bellow Pavement		40.0	18.9	0.4½	281¼	
"		8.9	2.9	0.4½	9 3/128	
"		11.0	2.9	0.4½	11 11/32	
"		7.6	2.9	0.4½	7 47/64	
"		3.7	2.9	0.4½	3 267/384	
		Total C. feet			313 1/64	
		Total C. Yds.			11 16/27	

Painting Doors & Windows in the Room & the Octagan Dome

Door & Windows	2262.6	1.0		2262.6

Abstract of Estimate for the Portion to be Restored during the Official Year 1872 and ~~1873~~

Quantity		Items	Rate	Amount	Total
		Waggan Vault			
6406¾	Sft.	Plaster in chunam 3 coats	3 8 "	224 3 9	
1042½	"	Cornice work in Chunam	" 2 6	162 14 3	
356¼	"	Plaster mouldings in Do.	" 6 "	133 9 6	
132	Cft.	Granite ashlar moulded	3 " "	396 " "	
10	No.	Draggings in Chunam	1 8 "	15 " "	
35	"	Ornamental flowers	2 " "	70 " "	
2	"	Vaults in Chunam	1 8 "	3 " "	
4	"	Birds in Chunam	1 8 "	6 " "	
1	"	Giffins Head in central arcades	5 " "	5 " "	
5	"	Large Giffins in Chunam Complete	25 " "	125 " "	
4	"	Do. Do. Do.	25 " "	100 " "	
5	"	Pillasters in Chunam for Giffins	5 " "	25 " "	
					1265 11 6
			Done last year		122 7 9
					1143 3 9
		Octagan Dome	5 per cent		56 12 3
20256-8	Sft.	Plaster in Chunam 3 coats	3 8 "	708 15 4	1200 0 0
11/9	Cyds.	Bricks in Chunam above 30ft.	5 8 "	61 1 9	
2038½	Sft.	Cornice work in Chunam	" 2 6	318 8 3	
1813½	"	Pavement 10" Bricks	8 " "	145 1 3	
25 5/27	Cyds.	Brick in Chunam on edge	4 " "	100 11 10	
80-9	Cft.	Teak timber wrought framed	3 12 "	302 13 "	1637 3 5
		Carried over			2902 14 11

Quantity		Items	Rate	Amount	Total
		Brought forward			~~2902 11 4~~ 1637 3 [illegible]
848	Sft	Doors and windows	1 8 -	1272 - -	
44¾	Cyds	Dismantling old wall	- 8 -	22 6 -	
5			4 - -	20 - -	
6	-	Iron ties 1½" Diameter		100 - -	
18½	sqrs	Oil paint for Doors & 2 coats	2 - -	37 - -	
600	Sft	Plaster moulding in Chunam	- 6 -	225 - -	
		Room on the north side of Dome			
49	Sqrs	Plaster in Chunam 3 coats	3 8 -	171 8 -	
145	Cft	Timber wrought framed teak	3 12 -	54 1 -	
192	Sft	Door & windows Teak	1 8 -	288 - -	
834¾	"	Pavement 10" Bricks	8 - -	66 12 6	
11 16/27	Cyds	Brick on edge in Chunam	4 - -	46 5 11	
15½	-	Walls to be dismantled	" 8 "	7 12 -	
486	Sft	Cornice work in Chunam	- 2 6	75 15 -	
100		Plaster mouldings	- 6 -	37 8 -	
4/8	Sqr	Oil painting for Doors & 2 coats	2 - -	8 4 -	
200	lbs	Iron bar for windows	- 2 -	25 - -	2457 8 5
					4094 11 10
					~~5360 - 4~~
		5 per cent			205 14 -
		Deduction for work done in last year in the			4300 0 0
		Waggon vault			~~122 7 9~~
					~~5237 15 7~~
		Contingencies at 5 percent			260 - 3
		Salary & allowances for Overseer		1380 - -	
		" Petty Establishment		372 - -	1752 -
		Total Rupees			7250
					7572

Chisholm. F.R.I.B.A
Architect to G[illegible]

2B1.

Octagon done 4300 [illegible]

Establishment (1750)

Rs. 7250 – 1750 = 5500

Ironbars 5280 } Sanctioned

Sanctioned

16th June 1872

Trimul Naiks Palace

Madura.

Estimate No 77

Dated. 22nd June 1872.

Sanctioned in G. O No 1487

Dated 15th June 1872.

P. W. ~~3109~~ 4671/72.

Pro: 5th Augt /72 Le Bk 50.

R. Chisholm.

Architect.

27

The Napier Gateway Madura

Specification

The work consists of constructing an Entrance Gateway of stone to the old palace yard. The existing Entrance is mere a hole cut in the Solid wall.

Excavation

The excavation will be carried down to th[e] depth of 6 feet below the surface of the Broadway and the Trenches well rammed with water.

Concrete

2 feet thickness of concrete will be laid in layers of 6" thick each layer rammed and consolidated before the succeeding course is put down.

Masonry

Rough stone Masonry will bring the work up to the Road level above which it will be executed in strict accordance with the workin[g] drawings to be hereafter furnished.

Facework

The fine cut stone facework will averag[e] in thickness 12 inches dressed three lines and carefully backed by rough stone. No sto[ne] on the face shall be of a less thickness tha[n] 9 inches. The courses will be 12 inches deep an[d] each stone shall measure not less than 1[5] inches on the face. All joints shall break band to the extent of 7½ inches or more.

All the mouldings will be worked true and clear and finished with sharp edges. — Mouldings

The two polished columns will be made in Madura finished by black stone polishers from Trichinopoly. — Columns

The materials and workmanship will be subject to the approval of the Superintending Engineer of the 8th Division. — Materials and Workmanship

The work will be completed according to the drawing No. 4.

R. F. Chisholm
Consulting Archt. to Govt.

P.W. 3009/72.

Napier Gateway Madura

Detailed Estimate of cost of constructing a Gateway to the Old Palace of Madura where the existing Entrance is situated

Items	No	L	B	D	Contents	Total
Base to project 5 ft						
Excavation for foundations	2/	17 . 0	7 . 0	6 . 0	1428	
		Total excavation Cu yds				53
Concrete	2/	17 . 0	7 . 0	2 . 0	476	
		Total Concrete Cu yds				18
Rough stone Masonry	2/	17 . 0	7 . 0	4 . 0	952	
Plinth	2/	13 . 0	5 . 0	3 . 0	390	
Walling	2/	20 . 0	6 . 0	3 . 6	840	
	2/	18 . 0	10 . 0	3 . 6	1260	
Allow for backing fine work		100 Cuft			100	
					3542	
Deduct Fine work					1415	
		Total Cuft rough Masonry			2127	
		Total Cu yds				79

Cut stone work Fine dressed	2/ 13 . 05 . 01 . 0	130
	4/ 5 . 01 . 01 . 0	20
	2/ 11 . 64 . 91 . 6	164
	4/ 4 . 91 . 01 . 6	28
Capping	2/ 13 . 05 . 00 . 6	65
	4/ 5 . 01 . 00 . 6	10
Walling	2/ 20 . 06 . 01 . 0	240
	2/ 20 . 03 . 61 . 0	140
	2/ 18 . 07 . 01 . 0	252
	2/ 3 . 67 . 01 . 0	49
Moulding measured square	2/ 20 . 01 . 01 . 0	40
	2/ 11 . 01 . 01 . 0	23
Inside moulding	2/ 18 . 01 . 33 . 6	158
	2/ 11 . 01 . 33 . 6	96
Face work by arch	2/ 3 . 65 . 01 . 0	35
	2/ 12 . 06 . 01 . 0	144
Blocks	2/ 3 . 63 . 61 . 9	43
Cornice	41 . 65 . 01 . 0	207
	2/ 7 . 05 . 01 . 0	70
Consoles.	27/ 1 . 60 . 60 . 4	7

Total Cuft. Fine Stone cutting

Polished Columns No. 2

Ornaments in angles of Spandrils

Lin ft. of Moulding. 63

Abstract of Quantities and Estimate of Cost

ntity		Items		Rate			Amount		
53	Cu yds	Excavation	@	"	2	"	7	"	"
18	"	Concrete	@	4	8	"	81	"	"
79	"	Rough Masonry	@	4	8	"	355	8	"
1921	Cu ft	Cut Stone	@	1	8	"	2881	8	"
2	No	Polished Columns	@	200	"	"	400	"	"
2	"	Ornaments in angles	@	30	"	"	60	"	"
63	R ft	Moulding extra	@	1	8	"	94	8	"
		Allow for inscription					37	"	"
							3916	8	"
		Add Contingencies & Superintendence @ 10 per cent					391	10	4
		Grand Total					4308	2	4

R. F. Chisholm
Architect

Napiers Gate

BB

R. 4308

Trimul Naiks Palace

Madura

Estimate No 78

Dated 22 June 1872.

Sanctioned

Dated.

4671
P. W. ~~3109~~/72.

Pros 5th Augt/72 In B. No 50.

R. Chisholm
Architect.

MADRAS

Estimate of the probable cost of converting a portion of Teroomala Naick's Palace into a Post Office

Specification

Excavation — Excavate the Trenches 4 ft in breadth and to such depths as may be found necessary.

Concrete — Ram concrete in layers of 6"

Masonry — Build Masonry in sound materials. The walls to be 18" thick and carried up immediately behind columns to the caps of arches. The back of the wall to be flush with the inside of existing spandrils. Closed in tightly after the work has stood for a month. (The quantities allow this work full to the apex of the arch to cover extra cost) Leave nogs for the after reception of the doors and windows. Splay sides of all openings.

Cut stone steps — Make steps 12" treads and 6" risers tail each stone 3" under next riser. Line sides of stairs with an 18" cut stone wall. Lay a curb along top.

Plaster — Lay 2 coats of plaster. The last to be the same in tint as the general tone of the New work in the waggon vault.

Doors & windows — These will be made and sent from Madras.

Terrace — Lay a well beaten Terrace over floor of Office and on space at back of Municipal Office as indicated in plan.

Workmanship & materials — The workmanship and materials will

be

be subject to the approval of the supt Engineer
The work will be executed in strict accordance with plan No. 2.

R Chisholm.

P.W. 3109/72.

Trimul Naick Palace Madura 39/36

Estimate of probable cost of Converting a portion of the Palace into a Post Office

Items	No	L	B	D	Cubic Contents	Total
Excavation						
Side walls	2/-	37..0	4..0	4..0	1184	
Front "		25..0	4..0	4..0	400	
		Total C feet			1584	
				Total C yds		59
Concrete						
Concrete Half quantity of Excavation Cubic Yards						29
Masonry						
Side walls	2/-	37..0	2..6	2..0	370	
		25..0	2..6	2..0	125	
Above ground	2/-	36..0	23..0	1..6	2484	
		27..0	23..0	1..6	931½	3910..6
D. D. Openings	3/-	5..0	8..0	1..6	180	
		5..0	11..9	1..6	88	268
			Total C feet			3642..6
		Total Cyds of Masonry				135..
Plastering						
Side walls	4/-	36..0	23..0		3312	
	2/-	27..0	23..0		1242	
					4554	
			Total Supl ft			46

Terrace flooring		33.0	41.0		1353	
		34.0	28.6		969	23
	Total Supl ft Terrace flooring					2
Stone steps	15/	12.0	1.3	0.6	112.6	
Side of ditto	2/	15.0	3.6	1.6	157.6	27
	Total C ft Cut Stone Steps					10

<u>Doors + Windows</u>

Entrance door taken full		14.0	5.0		70.0	
Windows	3/	10.6	5.0		157.6	
Circular heads (Square)	3/	5.0	5.0		75.0	30
	Total Supl ft Doors + Windows					

Abstract quantities and Cost.

Quantity		Items	Rate			Amount		
59	Cyds	Excavation	"	2	"	7	6	"
29	"	Concrete below masonry	4	8	"	130	"	"
135	"	Brickwork	4	8	"	607	6	"
46	Squares	Plastering	2	8	"	115	"	"
23	"	Terrace flooring	8	"	"	184	"	"
10	C.yds	Cut Stone in Steps	12	"	"	120	"	"
303	Supl ft	Doors + Windows	2	"	"	606	"	"
1	No	Post box Complete from old Office				10	"	"
		Allow for repairs & Washings				100	"	"
						1879	12	"
		Contingencies at 10 percent				187	15	7
		Total Rupees				2067	11	7

R Chisholm
Consulting Archit.t to Govt.

25/7/72

Post Office
C
R. 2068.

Trimul Naiks Palace

Madura.

Estimate No. 79

Dated 22d June 1872.

Sanctioned

Dated.

P. W. ~~3109~~ 4671./72.

Pro. 5th Augt/72 L. B. No 50.

R. Chisholm.
Architect.

Estimate of the probable cost of converting a portion of Teroomala Naicks Palace into a Deputy Collector's Cutcherry

Specification

The portion of the Palace alluded to and shown on the plan, will be cleaned and color washed buff with white mouldings. Dwarf walls surmounted by iron railings will be erected where shown on the plan drawing No. 1, and in strict accordance with the details shown on drawing No. 3

R. F. Chisholm F.R.I.B.A.
Consulting Arch. to Govt.

Teroomal Naik Palace Madura

Items	No.	L	B	D.	Contents	Total
Excavation for dwaf walls		126..0	3..0	2..0	756	
		Total C feet			756	
			Total C. Yds.			28.
Concrete		126..0	3..0	1..6	567	
		Total C feet			567	
			Total C. Yds.			21
Brickwork		126..0	1..6	0..6	94..6	
		126..0	5..0	1..0	630..0	
					724..6	
D. D. doors	5/-	6..0	5..0	1..0	150..0	
		Total C. ft.			574..0	
			Total C yds Masonry			21
Wood works						
Longitudinal Pieces	2/-	126..0	0..3	0..3	15..9	
	10/-	8..0	0..5	0..5	13..10	
					29..7	
		Total wood Work				29
Doors	5/-	5..0	7..6		187..6	
		Total Supl. ft. doors				188
Terracing		42..0	72..0		3024	
		Total Square Terracing				30
Plastering	2/-	126..0	5..0		1260	
		Total Square Plastering				13

Iron Railing	95 Running ft			95
Windows at back	10.6	5.0	52.6	
	7/. 10.6	3.0	63.0	
			115.6	
	Total Supl. ft Windows			116

49b

Abstract of Estimate & Cost.

Quantity		Items	Rate			Amount		
28	C. Yds	Excavation	"	2	"	3	8	"
21	"	Concrete below Masonry	4	8	"	94	8	"
21	"	Brickwork	4	8	"	94	8	"
29	C. ft	Woodwork	3	12	"	108	12	"
188	Supl. ft	Doors (from Madras)	1	8	"	282	"	"
30	Square	Terrace flooring	8	"	"	240	"	"
13	"	Plastering	2	8	"	32	8	"
95	Rn. ft	Iron Railing	2	8	"	237	8	"
116	Supl. ft	Windows from Madras	2	"	"	232	"	"
1	No	Cutting through wall &c. Large				50	"	"
2	"	" — Do. — Small windows	30	"	"	60	"	"
		Allow for repairs & Washing				150	"	"
						1585	4	"
		Contingencies at 10 per cent				158	8	"
		Total Rupees				1743	12	"

Consultg. Archit. to Governt.

51 K.

Dep. y Colltr's Cutcherry
E

Rs 1744

Trimul Naiks Palace
Madura

Estimate No 80

Dated 22d June 1872

Sanctioned

Dated.

R. Chisholm
Architect.

12/7/72

Deputy Collector's Cutcherry.
E

P.W. ~~3109~~ 4671/72.

Pro. 5th Augt/72 ... No 50

Estimates for Tirumal Naick's Palace

53 b

1870-71.

Cast & Wrought Iron	Rs 6151 -
Plastering & Colouring the Interior	" 3849 .
Total	Rs 10,000

For Report of work carried out see G.O. No. 1018 of 12th April 1871.

1871-72

Restoration of Waggon Vault (chiefly decorative)	Rs 6907
Do. Octagonal Dome	" 602
Contingencies	" 370
Overseer's Salary	" 1725
Petty Establishment	" 396
Total	Rs 10,000.

See Lord Napier's Minute printed with G.O. No. 69 of 11th Jany 1872 -

G.M.W.
20.7.72

Provincial Reichs Pa

Meldung Telegraphie

76

Memorandum by Chief Engineer

In the submission of these Estimates the Consulting Architect has not borne in mind either his own previously recorded opinion or the fixed plan laid down in Lord Napier's Minute for the appropriation of the various portions of the building

Out of the available sum of Rs 10,000 allotted in this year Rs 7,250 have already been appropriated under G.O No 1487 of 15"

June under Estimates
sent up by the Supg
Engr. 2nd Dn. at the request
of the Consulting Architect
These estimates comprise
the following Items - viz

1 Fitting with doors and
windows and otherwise com
pleting the restored part
allotted for the Collector's
Cutcherry ——— Rs. 4300

2 Restoring the Lower
portion of the Waggon Vault — " 1200

3 Pay of Overseer and
Petty Establishment ——— 1750

Total Rs. 7250

leaving only Rs. 2750
at present available
for other works out of the

undermentioned Estimates

now submitted viz/-

4 Post Office accommodation - Rs 2068
5 Dy Collector's — do — " 1744
6 Range Office — do — 1000
7 Iron bars for Peroomala Naick's Bed room — } — 5230

Total Rs 10,042

In his letter No 250 of 10" Novr 1871, the Consulting Architect "begs to place it on re"cord that, in his opinion "no more money should "be spent on decorative "works until the whole "structure is rendered "safe and durable". With reference to which the order in which the

Estimates have been submitted should apparently have been reversed, for the details of those already sanctioned show many items of purely decorative work, while that numbered 7 is for securing a portion of the building and should first have been provided for — See also para IX of Lord Napiers Minute "that "the Annual grant of "Rs 10,000 for next year "should be exclusively "employed for the repairs "and security of the "most ruinous parts "of the building" —

597

The Supg Engineer and Consulting Architect were not justified in bringing forward the Estimates as they have done.

It is also to be remarked that the papers now submitted by the Consulting Architect do not account for these departure in allocation of sites for the Offices of the Forest and Public Works Departments from those prescribed in para XV and XVI of Lord Napiers Minute nor do they give the

necessary assurance
that either the proposed
changes, or the accom-
modation proposed
to be provided, have
been approved of by the
Heads of the Departments
concerned. The Sup. g: Eng^r
through whom all these
papers should have
been submitted ought
to be called upon to report
on this subject and to
account for the Overseer
and Petty Establishments
being charged to works
in the face of G. O. No.
1701 of 26th June and
No. 2050 of 9th August /71

[illegible initials]

As to additional funds it does not appear that any have been actually realized by sale of existing buildings; and a reference to the Financial Department will have to be made to ascertain if the requisite funds can be advanced pending such sales –

The Chief Engr. can not conclude these remarks without stating his opinion that it would be a satisfactory arrangement if the Consulting Architect were instructed to prepa

I would order this. [initials]

This seems quite necessary [initials]

8

a complete set of Plans and estimates comprehending the entire work to be performed in the restoration of the Palace distinguishing in the latter between the absolutely necessary repairs and decorations chargeable to the annual allotment, and the cost of accommodating Public Offices to be defrayed by sale of existing buildings and other special assignments.

Provincial Marine Palace

G. M. Walker Col. R.E.

Chief Engineer OPW

16 July /72

No. 1839. P. W. D.

Civil Works

63 H

Pro.. of the Madras Govt.

Read the following:

From the Cons: Architect – (H. E. No. 81 D) 22 June 72

2109

Of the estimates now submitted by the Consulting Architect, which should have been forwarded through the Superintending Engineer 8th Division, the Govt. sanction that of Rs 5,230 for providing Iron Bars of Sreemati Naick's Bed room, G. on Plan now received, coinciding with H H H

A. P.

AP

of the lithographed Plan
referred to in Lord
Napier's minute,
and destined by him
for a Civil and Sessions
Court Room - This
should have been
the first submitted
and taken in hand
from the annual
allotment of Rs 10,000,
according to his Lord-
-ship's express instruc-
-tions, and Mr. Chisholm's
own opinion, which the
Supg Engineer disre-
-garded in submitting
the estimates sanctioned
in G. O. No. 1487 of 15th
June 1872 -

65 R

The amount of the latter sanction viz Rs 7,250, is reduced by Rs 1750, the pay of the Overseer and Petty Establishment, which the Supg Engineer has included contrary to standing orders of the Department and other positive Govt orders <u>on</u> [regarding] the individual concerned; whom Lieutt Col Roberts will now bring on the permanent Establishment of the 8th Dn from 1st May 1872.

The three estimates

Does "on" here mean "regarding" If so I would substitute the latter word.
A. J.

above disposed of
amounting to Rs 10,730
will alone be debited
against the Budget
allotment of the cur-
-rent year, and as they
exceed it by Rs 730,
care will be taken
by the Supt Engineer
to watch the expenditure.
The estimates of Rs
2,068 and Rs 1744 for
providing Post Office
and Deputy Collectors
Office accommodation
cannot be dealt with
until the Govt are
made fully acquainted
with the reasons for
departing from the
allotment of available

6726

space mapped out in Lord Napier's Minute, and are assured of the concurrence of the Heads of all Departments concerned in the allocation now proposed - This information it is distinctly the Superintending Engineer's duty to procure and lay before Govt., and they are not pleased with Lieutt. Col. Roberts's inaction in the matter - As to the sum of Rs 1,000 entered for a Range Office no plan or estimate has been sent in to account for it.

I would say "should be procured furnished by the Supt. Engineer with as little delay as possible."

[illegible]

[illegible]

The Govt. deem it very advisable that however gradually the works may have to be carried out as funds become avai-lable they should at once be definitely planned and estimated for ~~on a definite plan,~~ ~~wherein~~ distinction ~~shall~~ being made between the absolutely necessary repairs and decorations chargeable to the an-nual allotment, and the cost of accommoda-ting Public Offices to be defrayed by sale of existing buildings

69

and other special assignments. And they direct the Supg: Engineer and Consulting Architect to take immediate steps to supply such complete Plans and Estimates in time for sanction within the current official year.

The Plan and estimate for the Napier gate are approved for execution from the funds subscribed by the inhabitants of Madura; but as these appear

to be Rs 308 short of the
amount of the latter,
the Supg Engineer
will either carry out
the work within
the sum of Rs 4,000
subscribed, by reduc-
-tions and Contingencies
which are set down
at 10 per cent; or
by collection of
such additional
amount as may
be required from those
who have shown them-
-selves so laudably
desirous of comme-
-morating what Lord
Napier has done for
the

65
———
6.

To

Surv^r Genl with ten Enc.

3 Com: Architect ✓

5 Controller ✓

11 Pub: Dep^t ✓

21 Rev^e Dep^t ✓

[to] embellishment [of] their Town, and for the encouragement of Native art - The subscriptions have been paid ~~into the~~ Treasury, it is presumed, and credited in the Public Works Accounts as Private Contributions.

G.M.W.

...

(Ltr - returned) ✓

C/No. 3109

Govt. of {1872} Madras.

PUBLIC WORKS.

To

The Superintending Engr.
8th Division

Dated

Recd. Encl.

G. O., 5th Aug 1875, No. 1839.

Nos. 50 & 51

Tiroomala Naik's Palace at Madura. Passing orders in letter from the Consg. Architect forwarding plans and estimates in connection with Tiroomala Naik's Palace at Madura.

22

6012
124 . 2000